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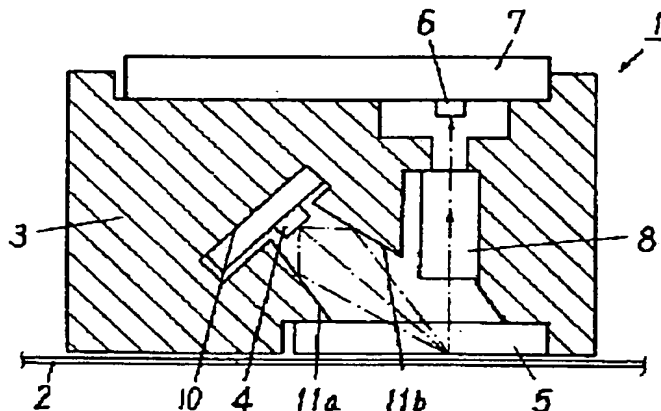
APPLICATION DATE : 14-06-95
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APPLICANT : MATSUSHITA ELECTRIC IND CO LTD;

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TITLE : CONTACT IMAGE SENSOR



ABSTRACT : PURPOSE: To obtain a contact image sensor which has a high S/N and superior image characteristics by improving the quantity of document surface irradiating light of an LED array.

CONSTITUTION: This contact image sensor is equipped with a sensor part 6 equipped with photodetecting elements which are arrayed linearly at constant intervals, a light source part composed of the LED array 4 which irradiates a document 2 slantingly with light, a lens array 8 which forms a light image reflected by the document 2 on the sensor part 6, and a frame part 3 where the sensor part 6 and lens array 8 are arranged in array on the optical axis and the light source part is arranged slantingly to the surface of the document 2 so as to irradiate the surface of the document 2 with the light. Then the sensor is equipped with a linear light source fixing side wall part 10 where the frame part 3 fixes the light source part and light convergence side wall surface parts 11a and 11b which are arranged linearly while spread to both sides from the light source part to the reflecting surface part of the document 2.

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